



VSXT/VMXT

Zone valves, 2-way and 3-way

The valves in the VSXT/VMXT line are used to control cold or hot water in climate, heating and ventilation systems.

- For water and cooling media (max 30% glycol)
- Media temperature 2...95°C
- Pressure rating PN16

- Rangeability ratio 50:1
- For differential pressure up to 350 kPa

The control valves in the VSXT / VMXT line are available in 2- and 3-way models. Body of brass, stem in stainless steel and double O-ring packing. Cone of brass with O-ring packing, which provides a very tight seal when the valve is closed.

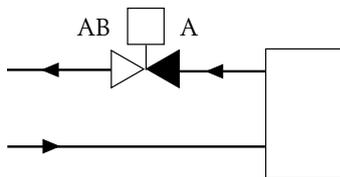
The valves have linear characteristics for the flow from port B to AB and procentually increasing for port A to AB. They have a built-in valve-spring which keeps the stem in the upper position when the actuator is not mounted.

Function

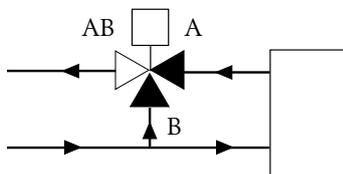
The 2-way valve is closed when the stem is in the upper position and completely open in the lower position.

The 3-way valve is closed between port A and AB (those opposite each other) when the stem is in the upper position and at the same time open between the bottom port B and the common outgoing port AB.

When the stem is in the lower position the 3-way valve is completely open between port A and AB and consequently closed between the bottom port B and the common outgoing port AB.



2-way valve



3-way valve

Sizes

The valves are available in kvs from 0.25 (DN15) up to 6.0 (DN20).

Installation

The valve should be mounted with the stem vertical or 90° to the left or right. It must not be mounted with the stem downwards.

In applications with high media temperature it should be mounted with the stem in a horizontal position to avoid heating the valve actuator.

To ensure good sealing, mount the 2-way valve so that the arrow on the valve housing points in the flow direction.

The 3-way valve is of the mixing type and must be mounted in the mixing position, according to the flow direction markings on the valve.

Typical applications

The valves are used to control hot and cold water in heating, ventilation and climate systems. They can also be used to control cooling media in liquid-connected exchanger systems.

Valve actuators

The valves are controlled by actuator type MVT44 (3-point floating) or MVT57 (0...10 V).

See the product sheet for MVT44/MVT57 for choice of actuator.

Models

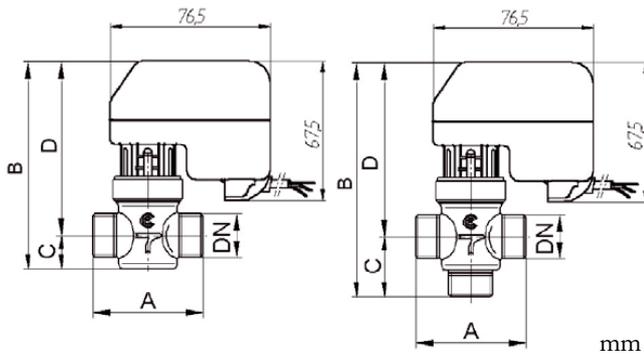
2-way valves	Conn.	Kvs	Max diff. press.
VSXT09P	DN15	0.25	350 kPa
VSXT10P	DN15	0.4	350 kPa
VSXT11P	DN15	0.6	350 kPa
VSXT12P	DN15	1.0	350 kPa
VSXT13P	DN15	1.6	350 kPa
VSXT1P	DN15	2.0	250 kPa
VSXT21P	DN20	2.5	250 kPa
VSXT24P	DN20	4.0	150 kPa
VSXT26P	DN20	6.0	150 kPa

3-way valves	Conn.	Kvs	Max diff. press.
VMXT09P	DN15	0.25	350 kPa
VMXT10P	DN15	0.4	350 kPa
VMXT11P	DN15	0.6	350 kPa
VMXT12P	DN15	1.0	350 kPa
VMXT13P	DN15	1.6	350 kPa
VMXT1P	DN15	2.0	250 kPa
VMXT21P	DN20	2.5	250kPa
VMXT24P	DN20	4.0	100 kPa
VMXT26P	DN20	6.0	100 kPa

Technical data

Pressure rating	PN16 (1.6 MPa)
Connection	Outside thread, see table below
Flow characteristic	
2-way	Equal percentage
3-way	Linear (B to AB) / equal percentage (A to AB)
Rangeability ratio	50:1
Stroke	5.5 mm
Leakage	0%
Media	Warm or cold water. Also cooling media (max. 30% glycol).
Temperature of media	2...95°C
Material	
Housing	Brass
Stem	Stainless steel
Plug	Brass
Sealing	Viton, double sealing rings

Dimensions



Model	DN	A	B	C
VSXT09P, VSXT10P, VSXT11P, VSXT12P, VSXT13P, VSXT1P	G1/2	52	106	19.5
VMXT09P, VMXT10P, VMXT11P, VMXT12P, VMXT13P, VMXT1P	G1/2	52	112	25
VSXT21P, VSXT24P, VSXT26P	G3/4	78	107	20.5
VMXT21P, VMXT24P, VMXT26P	G3/4	78	122	35.5

Product documentation

Document	Type
Product sheet MTV44/MVT57	
Instruction MVT44	Information about suitable valve actuators for VSXT/VMXT
Instruction MVT57	

The product documentation is available on www.regin.se.

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